

REMARKS

At the outset, Applicants wish to thank the Examiner for the courtesies extended to the Applicants' representatives during the personal interview on August 10, 2004. The Office Action of May 3, 2004 has been received and contents carefully reviewed.

By this Amendment, Applicants amend paragraph beginning on page 8, line 1 in the specification. No new matter is added. In addition, Applicants amend claims 1 and 15, add new claims 22-25, and cancel claim 21 without prejudice or disclaimer. Accordingly, claims 1, 3, 4, 9, 15, 17 and 22 -25 are currently pending in the present application. Reexamination and reconsideration of the application are respectfully requested.

In the Office Action, the Examiner rejected claims 1, 4, and 21 under 35 U.S.C. §103(a) as being unpatentable over Bang (U.S. Patent No. 5,466,620) in view of the Related Art; rejected claims 3 and 9 under 35 U.S.C. §103(a) as being unpatentable over Bang and the Related Art as applied to claim 1 above, and further in view of den Boer et al. (U.S. Patent No. 5,656,824); rejected claims 15 and 17 under 35 U.S.C. §103(a) as being unpatentable over Bang in view of the Related Art and den Boer et al. Applicants traverse these rejections.

Claim 1 is allowable over the cited references in that claim 1 recites a combination of elements including, for example, "a switching TFT controlling a release of the stored charges, the switching TFT having a gate electrode, an insulating layer on the gate electrode, an active layer on the insulating layer, an ohmic contact layer on the active layer, and dual layered source and drain electrodes that are each comprised of a transparent conductive material and a metal material, at least one layer of the dual layered drain electrode of the switching TFT connected to the source electrode of the sensor TFT..." None of the cited references, singly or in combination, teaches or suggests at least this feature of the claimed invention. Accordingly, Applicants respectfully submit that claim 1 and claims 3, 4 and 9 which depend therefrom, are allowable over the cited references.

Claim 15 is allowable over the cited references in that claim 15 recites a combination of elements including, for example, "...wherein the second switching electrode is a dual layer structure comprised of a transparent conducting layer and a non-transparent metal layer, both of which are in contact with the ohmic contact layer, and at least one layer of the second switching

electrode is connected to the first sensor electrode." None of the cited references, singly or in combination, teaches or suggests at least this feature of the claimed invention. Accordingly, Applicants respectfully submit that claim 15 and claim 17 which depends therefrom, are allowable over the cited references.

New claim 22 is allowable over the cited references in that claim 22 recites a combination of elements including, for example, "...wherein the metal layer of the dual layered drain electrode of the switching TFT extends over the transparent conductive layer and contacts the drain ohmic contact layer, and the extended edge of the metal layer of the dual layered drain electrode of the switching TFT substantially coincides with one of the edges of the drain ohmic contact layer." None of the cited references, singly or in combination, teaches or suggests at least this feature of the claimed invention. Accordingly, Applicants respectfully submit that claim 22 and claims 23-25 which depend therefrom, are allowable over the cited references.

Applicants believe the foregoing amendments place the application in condition for allowance and early, favorable action is respectfully solicited. If the Examiner deems that a telephone conference would further the prosecution of this application, the Examiner is invited to call the undersigned attorney at the telephone number (202) 496 - 7500. All correspondence should continue to be sent to the below-listed address.

If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136, and any additional fees required under 37 C.F.R. §1.136 for any necessary extension of time, or any other fees required to complete the filing of this response, may be charged to Deposit Account No. 50-0911. Please credit any overpayment to deposit Account No. 50-0911.

Dated: August 20, 2004

Respectfully submitted,

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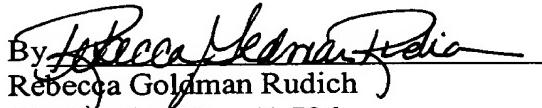
New claim 22 is allowable over the cited references in that claim 22 recites a combination of elements including, for example, "...wherein the metal layer of the dual layered drain electrode of the switching TFT extends over the transparent conductive layer and contacts the drain ohmic contact layer, and the extended edge of the metal layer of the dual layered drain electrode of the switching TFT substantially coincides with one of the edges of the drain ohmic contact layer." None of the cited references, singly or in combination, teaches or suggests at least this feature of the claimed invention. Accordingly, Applicants respectfully submit that claim 22 and claims 23-25 which depend therefrom, are allowable over the cited references.

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